

CLAIMS

What is claimed is:

1. A spinal orthopedic device and tool set, comprising
an intervertebral spacer device having first and second baseplates mounted to one another such that the first and second baseplates are articulatable relative to one another, wherein at least one of the baseplates has an angled perimeter; and
a manipulation tool having a correspondingly angled distal end, such that when the correspondingly angled distal end of the manipulation tool is engaged with the angled perimeter of the at least one of the baseplates, movement of the at least one of the baseplates relative to the correspondingly angled distal end of the manipulation tool is limited by interference between the angled perimeter of the at least one of the baseplates and the correspondingly angled distal end of the manipulation tool, such that the at least one of the baseplates is manipulatable using the manipulation tool; wherein
each of the baseplates has an angled perimeter, and the angled perimeters are simultaneously engageable with the correspondingly angled distal end of the manipulation tool.
2. The spinal orthopedic device and tool set of claim 1, wherein the angled perimeters of the baseplates are similarly configured.
3. The spinal orthopedic device and tool set of claim 2, wherein the angled perimeter of the first baseplate comprises three flat perimeter surfaces forming two protruding corners of the first baseplate, a first of the flat perimeter surfaces converging with a second of the flat perimeter surfaces to form a first of the protruding corners, the first of the flat perimeter surfaces also converging with a third of the flat perimeter surfaces to form a second of the protruding corners; and wherein
the angled perimeter of the second baseplate comprises three flat perimeter surfaces forming two protruding corners of the second baseplate, a first of the flat perimeter surfaces converging with a second of the flat perimeter surfaces to form a first of the protruding

corners, the first of the flat perimeter surfaces also converging with a third of the flat perimeter surfaces to form a second of the protruding corners; and wherein

the correspondingly angled distal end of the manipulation tool comprises three flat surfaces forming two recessed corners of the correspondingly angled distal end of the manipulation tool, a first of the flat surfaces converging with a second of the flat surfaces to form a first of the recessed corners, the first of the flat surfaces also converging with a third of the flat surfaces to form a second of the recessed corners.

4. The spinal orthopedic device and tool set of claim 3, wherein the intervertebral spacer device is engageable for manipulation using the manipulation tool by positioning the first protruding corners in the first recessed corner, and positioning the second protruding corners in the second recessed corner.

5. The spinal orthopedic device and tool set of claim 4, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the first protruding corners in the second recessed corner.

6. The spinal orthopedic device and tool set of claim 5, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the second protruding corners in the first recessed corner.

7. The spinal orthopedic device and tool set of claim 4, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the second protruding corners in the first recessed corner.

8. The spinal orthopedic device and tool set of claim 3, wherein each of the first flat perimeter surfaces of the baseplates is longer than the first flat surface of the angled distal end.

9. The spinal orthopedic device and tool set of claim 3, wherein the first flat perimeter surfaces face an anterior aspect of the intervertebral spacer device.

10. The spinal orthopedic device and tool set of claim 9, wherein the second flat perimeter surfaces face a left antero-lateral aspect of the intervertebral spacer device, and the third flat perimeter surfaces face a right antero-lateral aspect of the intervertebral spacer device.

11. The spinal orthopedic device and tool set of claim 3, wherein the three flat surfaces of the correspondingly angled distal end of the manipulation tool are an upper set of three flat surfaces, and the two recessed corners of the correspondingly angled distal end of the manipulation tool are two upper recessed corners; and wherein the correspondingly angled distal end of the manipulation tool comprises six flat surfaces, the six flat surfaces comprising the upper set of three flat surfaces forming the two upper recessed corners of the angled distal end of the manipulation tool; and wherein

the six flat surfaces further comprise a lower set of three flat surfaces forming two lower recessed corners of the angle distal end of the manipulation tool, a first of the three lower flat surfaces converging with a second of the three lower flat surfaces to form a first of the two lower recessed corners, the first of the three lower flat surfaces also converging with a third of the three lower flat surfaces to form a second of the two lower recessed corners.

12. The spinal orthopedic device and tool set of claim 11, wherein the intervertebral spacer device is engageable for manipulation using the manipulation tool by positioning the first protruding corner of the first baseplate in the first upper recessed corner, and positioning the second protruding corner of the first baseplate in the second upper recessed corner, and positioning the first protruding corner of the second baseplate in the first lower recessed corner, and positioning the second protruding corner of the second baseplate in the second lower recessed corner.

13. The spinal orthopedic device and tool set of claim 12, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the first protruding corner of the first baseplate in the second upper recessed corner, and positioning the first protruding corner of the second baseplate in the second lower recessed corner.

14. The spinal orthopedic device and tool set of claim 13, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the second protruding corner of the first baseplate in the first upper recessed corner, and positioning the second protruding corner of the second baseplate in the first lower recessed corner.

15. The spinal orthopedic device and tool set of claim 12, wherein the intervertebral spacer device is also engageable for manipulation using the manipulation tool by positioning the second protruding corner of the first baseplate in the first upper recessed corner, and positioning the second protruding corner of the second baseplate in the first lower recessed corner.

16. The spinal orthopedic device and tool set of claim 11, wherein the first flat perimeter surface of the first baseplate is longer than the first upper flat surface of the angled distal end, and the first flat perimeter surface of the second baseplate is longer than the first lower flat surface of the angled distal end.

17. The spinal orthopedic device and tool set of claim 11, wherein the first flat perimeter surfaces face an anterior aspect of the intervertebral spacer device.

18. The spinal orthopedic device and tool set of claim 17, wherein the second flat perimeter surfaces face a left antero-lateral aspect of the intervertebral spacer device, and the third flat perimeter surfaces face a right antero-lateral aspect of the intervertebral spacer device.

19. A spinal orthopedic device and tool set, comprising
an intervertebral spacer device having first and second baseplates mounted to one another such that the first and second baseplates are articulatable relative to one another, wherein at least one of the baseplates has an angled perimeter; and
a manipulation tool having a correspondingly angled distal end, such that when the correspondingly angled distal end of the manipulation tool is engaged with the angled perimeter of the at least one of the baseplates, movement of the at least one of the baseplates

relative to the correspondingly angled distal end of the manipulation tool is limited by interference between the angled perimeter of the at least one of the baseplates and the correspondingly angled distal end of the manipulation tool, such that the at least one of the baseplates is manipulatable using the manipulation tool; wherein

the angled perimeter of the at least one of the baseplates includes a plurality of flat surfaces adjacent one another and the correspondingly angled distal end has a central flat surface flanked by at least one flat surface; and wherein the at least one of the baseplates is engageable for manipulation using the manipulation tool by positioning the primary flat surface against any one of the plurality of flat surfaces, such that the at least one flanking flat surface is against another of the plurality of flat surfaces.

20. A spinal orthopedic device and tool set, comprising
an intervertebral spacer device having first and second baseplates mounted to one another such that the first and second baseplates are articulatable relative to one another, wherein at least one of the baseplates has an angled perimeter; and

a manipulation tool having a correspondingly angled distal end, such that when the correspondingly angled distal end of the manipulation tool is engaged with the angled perimeter of the at least one of the baseplates, movement of the at least one of the baseplates relative to the correspondingly angled distal end of the manipulation tool is limited by interference between the angled perimeter of the at least one of the baseplates and the correspondingly angled distal end of the manipulation tool, such that the at least one of the baseplates is manipulatable using the manipulation tool; wherein

the angled perimeter of the at least one of the baseplates includes a plurality of flat surfaces adjacent one another and the correspondingly angled distal end has a central flat surface flanked by two flat surfaces; and wherein the at least one of the baseplates is engageable for manipulation using the manipulation tool by positioning the primary flat surface against any one of the plurality of flat surfaces, such that at least one of the two flanking flat surfaces is against another of the plurality of flat surfaces.